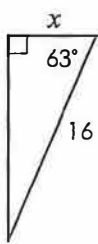
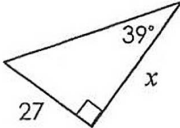
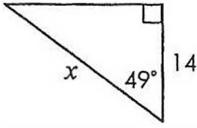
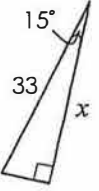
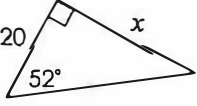
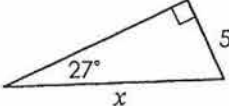
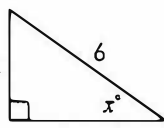
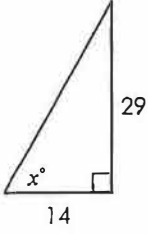

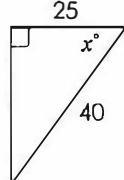
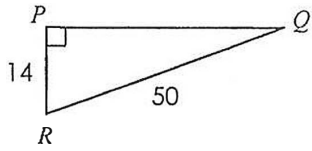


Trigonometry

<p>1.</p>  <p>A right-angled triangle with a right angle at the top-left. The angle at the top-right is 63°. The hypotenuse is 16. The side opposite the 63° angle is labeled x.</p>	<p>2.</p>  <p>A right-angled triangle with a right angle at the bottom-right. The angle at the top-right is 39°. The hypotenuse is x. The side opposite the 39° angle is 27.</p>
<p>3.</p>  <p>A right-angled triangle with a right angle at the top-right. The angle at the bottom-right is 49°. The hypotenuse is x. The side opposite the 49° angle is 14.</p>	<p>4.</p>  <p>A right-angled triangle with a right angle at the bottom-right. The angle at the top is 15°. The hypotenuse is x. The side opposite the 15° angle is 33.</p>
<p>5.</p>  <p>A right-angled triangle with a right angle at the top-left. The angle at the bottom-left is 52°. The hypotenuse is x. The side opposite the 52° angle is 20.</p>	<p>6.</p>  <p>A right-angled triangle with a right angle at the top-right. The angle at the bottom-left is 27°. The hypotenuse is x. The side opposite the 27° angle is 5.</p>
<p>7.</p>  <p>A right-angled triangle with a right angle at the bottom-left. The angle at the bottom-right is x°. The hypotenuse is 6. The side opposite the x° angle is 4.</p>	<p>8.</p>  <p>A right-angled triangle with a right angle at the bottom-right. The angle at the bottom-left is x°. The hypotenuse is 29. The side opposite the x° angle is 14.</p>
<p>9.</p>  <p>A right-angled triangle with a right angle at the top-right. The angle at the top-left is x°. The hypotenuse is 54. The side opposite the x° angle is 12.</p>	<p>10.</p>  <p>A right-angled triangle with a right angle at the top-left. The angle at the top-right is x°. The hypotenuse is 40. The side opposite the x° angle is 25.</p>

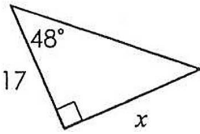
1.



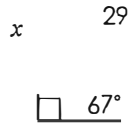
- $\sin Q = \underline{\hspace{2cm}}$ • $\sin R = \underline{\hspace{2cm}}$
- $\cos Q = \underline{\hspace{2cm}}$ • $\cos R = \underline{\hspace{2cm}}$
- $\tan Q = \underline{\hspace{2cm}}$ • $\tan R = \underline{\hspace{2cm}}$

Directions: Solve for x . Round to the nearest tenth.

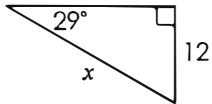
2.



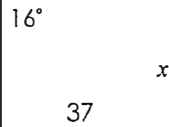
3.



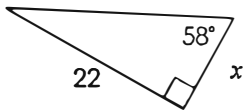
4.



5.

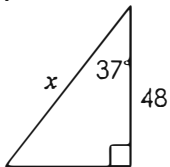


6.

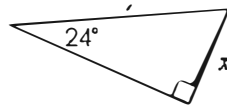


7.

8.

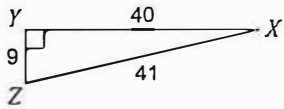


9.

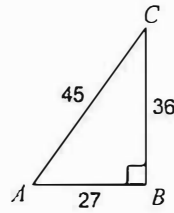


Find the value of each trigonometric ratio.

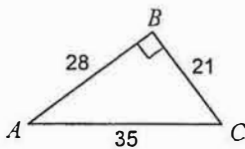
1) $\cos X$



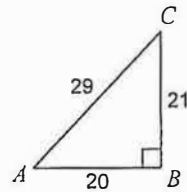
2) $\sin C$



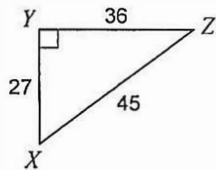
3) $\tan C$



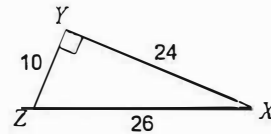
4) $\sin A$



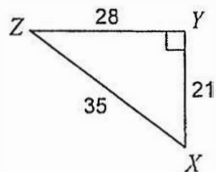
5) $\cos X$



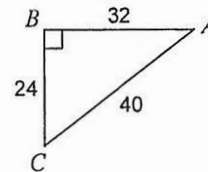
6) $\cos X$



7) $\tan Z$



8) $\sin C$



9) $\sin Z$

