

****YOU MUST SHOW WORK****



Lesson 17: Sine, Cosine, and Tangent

Directions: Solve each problem and use a pencil to DRAW the object that corresponds with your answer. SHOW YOUR STEPS!!!

<p>1. $\sin A = \frac{3}{5}$</p> <p>(a) If your answer is $\frac{3}{5}$ draw the following hair on the head. </p> <p>(b) If your answer is $\frac{4}{5}$ draw the following hair on the head. </p>	<p>2. $\sin B = \frac{3}{5}$</p> <p>(a) If your answer is $\frac{4}{5}$ draw the following large eyes. </p> <p>(b) If your answer is $\frac{3}{5}$ draw the following eyes. </p>	<p>3. $\cos A = \frac{4}{5}$</p> <p>(a) If your answer is $\frac{3}{5}$ draw the following eyebrows. </p> <p>(b) If your answer is $\frac{4}{5}$ draw the following eyebrows. </p>	<p>4. $\tan B = \frac{12}{5}$</p> <p>(a) If your answer is $\frac{12}{13}$ draw the following nose. </p> <p>(b) If your answer is $\frac{5}{13}$ draw the following nose. </p>
<p>5. $\cos A = \frac{5\sqrt{3}}{10}$</p> <p>(a) If your answer is $\frac{1}{2}$ draw the following smile. </p> <p>(b) If your answer is $\frac{\sqrt{3}}{2}$ draw the following smile. </p>	<p>6. $\sin B = \frac{5}{5\sqrt{2}}$</p> <p>(a) If your answer is $\frac{\sqrt{2}}{2}$ draw the following ears. </p> <p>(b) If your answer is $\frac{5}{\sqrt{2}}$ draw the following ears. </p>	<p>7. $\tan A = \frac{15}{8}$</p> <p>(a) If your answer is $\frac{15}{17}$ draw a circular earring in one ear. </p> <p>(b) If your answer is $\frac{8}{17}$ draw a square earring in one ear. </p>	<p>8. $\tan B = \frac{15}{8}$</p> <p>(a) If your answer is $\frac{8}{15}$ draw a band-aid on the face. </p> <p>(b) If your answer is $\frac{15}{8}$ draw a band-aid on one arm. </p>
<p>9. $\sin A = \frac{6}{10}$</p> <p>(a) If your answer is $\frac{4}{5}$ draw a scar on one arm. </p> <p>(b) If your answer is $\frac{3}{5}$ draw a scar on the face. </p>	<p>10. $\sin B = \frac{10}{26}$</p> <p>(a) If your answer is $\frac{12}{13}$ write "SKATERS RULE" on the shirt. </p> <p>(b) If your answer is $\frac{5}{13}$ write "RADICAL" on the shirt. </p>	<p>11. Solve for x.</p> <p>(a) If $x = 13.6$ draw a skate rail in the background. </p> <p>(b) If $x = 6.3$ draw a skate ramp in the background. </p>	<p>12. Solve for x.</p> <p>(a) If $x = 6$ draw a sun in the background. </p> <p>(b) If $x = 8$ draw a skateboard in the background. </p>

Directions: Solve each problem and COLOR the object that corresponds with your answer. SHOW YOUR STEPS!!!

<p>13. Solve for x.</p> <p>(a) If $x = 7.8$ color the hair purple, green, and yellow.</p> <p>(b) If $x = 5.2$ color the hair blue and orange.</p>	<p>14. Solve for x.</p> <p>(a) If $x = 7.7$ color the band-aid brown.</p> <p>(b) If $x = 16.6$ color the band-aid pink.</p>	<p>15. Solve for x.</p> <p>(a) If $x = 16.9$ color the earring red.</p> <p>(b) If $x = 4.8$ color the earring purple.</p>	<p>16. Solve for x.</p> <p>(a) If $x = 8.4$ color the eyebrows brown.</p> <p>(b) If $x = 17.1$ color the eyebrows yellow.</p>
<p>17. Solve for x.</p> <p>(a) If $x = 40.5$ color the ears, face, nose, neck, and arms brown.</p> <p>(b) If $x = 49.5$ color the ears, face, nose, neck, and arms apricot.</p>	<p>18. Solve for x.</p> <p>(a) If $x = 36.9$ outline the ears in black.</p> <p>(b) If $x = 53.1$ outline the ears in blue.</p>	<p>19. Solve for x.</p> <p>(a) If $x = 22.6$ outline the eyes in green.</p> <p>(b) If $x = 67.4$ outline the eyes in black.</p>	<p>20. Solve for x.</p> <p>(a) If $x = 2.8$ outline the nose in orange.</p> <p>(b) If $x = 3.2$ outline the nose in black.</p>
<p>21. Solve for x.</p> <p>(a) If $x = 60$ outline the mouth in red.</p> <p>(b) If $x = 45$ outline the mouth in black.</p>	<p>22. Solve for x.</p> <p>(a) If $x = 22.2$ outline the scar in red.</p> <p>(b) If $x = 13$ outline the scar in black.</p>	<p>23. Solve for x.</p> <p>(a) If $x = 63.4$ color the shirt green.</p> <p>(b) If $x = 26.6$ color the shirt yellow.</p>	<p>24. Solve for x.</p> <p>(a) If $x = 10$ outline the letters on the shirt in the black.</p> <p>(b) If $x = 20$ outline the letters on the shirt in orange.</p>
<p>25. Solve for x.</p> <p>(a) If $x = 5.1$ color the skate ramp/rail orange.</p> <p>(b) If $x = 6.1$ color the skate ramp/rail brown.</p>	<p>26. Solve for x.</p> <p>(a) If $x = 41.8$ color the other object in the background using MANY colors.</p> <p>(b) If $x = 48.2$ color the other object in the background using ONE color.</p>	<p>27. Solve for x.</p> <p>(a) If $x = 41.8$ color the background yellow.</p> <p>(b) If $x = 48.2$ color the background blue.</p>	<p>Artistic Tip: When you are done coloring, it looks nice to outline the major features using a black crayon or marker.</p>

