

ACT/SAT Math Solutions

1. $x = 4.5$.

2. Area = 12.0 square units.

3. Probability = 0.5.

4. $\cos(\theta) = \sqrt{1 - (4/5)^2}$.

5. $x = 4.5$.

6. Area = 108.0 square units.

7. Probability = 0.16666666666666666.

8. $\cos(\theta) = \sqrt{1 - (3/5)^2}$.

9. $x = 4.5$.

10. Area = 300.0 square units.