100 ACT/SAT Math Problems

1. Solve for x: 2x + 1 = 10.

2. What is the area of a triangle with base 4 units and height 6 units?

3. If a die is rolled, what is the probability of rolling a number less than

4? 4. If sin(theta) = 4/5 and theta is in the first quadrant, what is cos(theta)?

5. Solve for x: 10x + 5 = 50.

6. What is the area of a triangle with base 12 units and height 18 units?

7. If a die is rolled, what is the probability of rolling a number less than

2?

8. If sin(theta) = 3/5 and theta is in the first quadrant, what is cos(theta)?

9. Solve for x: 18x + 9 = 90.

10. What is the area of a triangle with base 20 units and height 30 units?