Unit 3 – Literal Equations Extra Practice

Solve for the indicated variable. Show all necessary work.

1. $-3x + b = c$, for x.

2. $\dfrac{y + a}{3} = c$, for y.

3. $v = 4 + at$, for a.

4. $I = prt$, for r.

5. $d = \dfrac{1}{2}at^2$, for a.

6. $c = \dfrac{3}{4}y + b$, for y.

7. $3x - 4y = 7$, for y.

8. $\dfrac{x+y}{a} = c$, for a.

9. (a) Sara is going to paint a circular piece of wood for the set of her school play. If the area of the wood is 36π, then what is the radius? (Remember: $A = \pi r^2$)

   (b) Using the formula from part (a), represent the radius in terms of A.
   Hint: The inverse operation of squaring (x^2) is taking the square root $\sqrt{}$