

Name: \_\_\_\_\_

**UNIT 8**

Date: \_\_\_\_\_

**LESSON 4**

**Do Now:**

a) Solve for all value(s) of x:  
 $(2x + 1)(3x - 5) = 0$

b) Find the roots of  $x^2 = 2x$

**AIM: SOLVING QUADRATIC EQUATIONS (Day 3)**

1. Solve for the roots:  $x^2 + 4x = 5$

2. Solve for x:  $x^2 = 36$

3. What are the x-intercepts?

$$x^2 = 8x - 15$$

4. Find the zeroes of the function  $y = 2x^2 - 50$

5. What are the x-intercepts?  $2x^2 + x - 6 = 0$

6. Solve for the roots:  $\frac{x}{14} = \frac{2}{x-3}$

## Partner Practice

7. Find the zeroes of the function  $x^2 = 121$

8. Find the x-intercepts:  $x^2 - 10x = 0$

9. Find the roots:  $x^2 - x = 20$

10. Find the x-intercepts:  $2x^2 + 8x - 10 = 0$

11. Find the zeroes of the function  $3x^2 + 13x + 4 = 0$

12. Find the x-intercepts:  $6x^2 - 7x - 5 = 0$

