

Worksheet 2 Answers

1 (a) $y = -2x + 5$

1 (b) $3x + 2y = 1$

1 (c) $y = \frac{5}{3}x + 5$

1 (d) $y + 3 = \frac{3}{4}(x + 2)$ or $3x - 4y = 6$

1 (e) $y + \frac{1}{2} = \frac{5}{4}(x - 2)$ or $5x - 4y = 12$

2. $(x - 2)^2 + (y + \frac{1}{2})^2 = \frac{45}{4}$

3. $(x + 2)^2 + (y - 1)^2 = 25$

4. $(x - 2)^2 + (y + 1)^2 = 16$

5. $(x - 3)^2 + (y + 1)^2 = 1$

6. $(x - 4)^2 + (y + 2)^2 = 16$

7. $d = \left| \frac{ah + bk + c}{\sqrt{a^2 + b^2}} \right|$

8. $(x - 2)^2 + (y - 1)^2 = 36$

9. $(x - 1)^2 + (y - 1)^2 = 1$