

Linear Functions

Key Ideas:

1. Distance and Midpoint

- label your points $(x_1, y_1), (x_2, y_2)$

2. Parallel / Perpendicular Slopes

- parallel (same), perpendicular (negative reciprocals)

3. Forms of the Equation

- slope-intercept form
- slope-point form
- general form (no fractions or decimals!)

***Note: Substitute into formulas carefully! Watch your positive and negative signs!!**

1. Calculate the ***distance*** from $A(6, -4)$ to $B(1, 5)$.

