All 12 Prerequisites Are Taught in Prior Courses

For Success in AP Precalculus

Expected Prior Knowledge and Skills	Algebra 1	Geometry	Algebra 2
Proficiency with linear functions	✓	✓	✓
Proficiency in polynomial addition and multiplication	~		✓
Proficiency in factoring quadratic trinomials	~		✓
Proficiency in using the quadratic formula	~		✓
Proficiency in solving right triangle problems involving trigonometry		✓	✓
Proficiency in solving linear and quadratic equations and inequalities	~		✓
Proficiency in algebraic manipulation of linear equations and expressions	~	✓	
Proficiency in solving systems of equations in two and three variables	~		✓
Familiarity with piecewise-defined functions	~		✓
Familiarity with exponential functions and rules for exponents	~		✓
Familiarity with radicals (e.g., square roots, cube roots)	~	✓	
Familiarity with complex numbers			~

Offer AP Precalculus at Your School

Calculating

$$y = 2x - 4$$

Two Points
$$(0,-4)$$
 and $(1,-2)$

$$m = \frac{1/2 - 1/1}{1/2 - 1/1} = \frac{-2 - (-4)}{1 - 0} = \frac{-2 + 4}{1} = \frac{2}{1} = 2$$

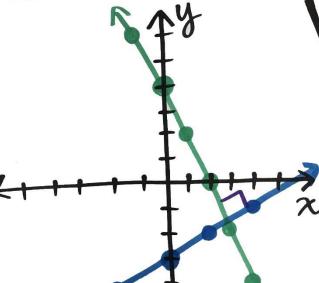
parallel

SAME slope

•
$$y = \frac{2}{3}x - 4$$

$$y = \frac{2}{3}x + 1$$

of Pes



pendiculas Lines

NEGATIVE slopes RECIPROCAL

$$y = \frac{1}{2}x - 3$$

Distance & Midpoint

$$d = \sqrt{(x_{2} - x_{1})^{2} + (y_{2} - y_{1})^{2}}$$

$$d = \sqrt{(3 - (1))^{2} + (2 - 4)^{2}}$$

$$d = \sqrt{(3 - (1))^{2} + (2 - 4)^{2}}$$

$$d = \sqrt{(4 - 1)^{2} + (-6)^{2}}$$

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