Name : _____ Score : _____

Teacher : _____ Date : _____

Parallel, Perpendicular, and Intersecting Lines

Determine if the given pair of lines is parallel, perpendicular, or intersecting.

1) $y = \frac{7}{2}x + 3$ and $-7x + 2y = 8$ Answer: _____	5) $y = \frac{8}{3}x - 18$ and $y = -\frac{8}{3}x + 4$ Answer: _____
2) $y = \frac{3}{2}x + 14$ and $3x + 2y = 12$ Answer: _____	6) $y = 3x - 13$ and $y = \frac{1}{3}x - 4$ Answer: _____
3) $y = -3x + 7$ and $-x + 3y = -6$ Answer: _____	7) $y = -3x + 1$ and $y = -3x - 3$ Answer: _____
4) $y = -\frac{2}{3}x - 8$ and $3x - 2y = 2$ Answer: _____	8) $y = 4x + 6$ and $y = \frac{1}{4}x - 2$ Answer: _____

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Determine if the given pair of lines is parallel, perpendicular, or intersecting.

1) $y = \frac{7}{2}x + 3$ and $-7x + 2y = 8$ Answer: Parallel Lines	5) $y = \frac{8}{3}x - 18$ and $y = -\frac{8}{3}x + 4$ Answer: Intersecting Lines
2) $y = \frac{3}{2}x + 14$ and $3x + 2y = 12$ Answer: Intersecting Lines	6) $y = 3x - 13$ and $y = \frac{1}{3}x - 4$ Answer: Intersecting Lines
3) $y = -3x + 7$ and $-x + 3y = -6$ Answer: Perpendicular Lines	7) $y = -3x + 1$ and $y = -3x - 3$ Answer: Parallel Lines
4) $y = -\frac{2}{3}x - 8$ and $3x - 2y = 2$ Answer: Perpendicular Lines	8) $y = 4x + 6$ and $y = \frac{1}{4}x - 2$ Answer: Intersecting Lines