

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

# Math is Gold

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

Topic: Parallel and Perpendicular Lines

(id:lines\_para\_perp\_find\_B.1)

Title: Find the slopes of lines as indicated.

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| <p>1) <math>y = \frac{2}{3}x + 1</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p> | <p>2) <math>y = -\frac{1}{3}x + 5</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p> |
| <p>3) <math>y = -4x + 1</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>          | <p>4) <math>y = 3x + 5</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>            |
| <p>5) <math>y = -2x + 1</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>          | <p>6) <math>y = \frac{4}{5}x + 1</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>  |
| <p>7) <math>y = \frac{2}{3}x + 1</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p> | <p>8) <math>y = x + 9</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>             |
| <p>9) <math>y = -x + 10</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>          | <p>10) <math>y = -2x + 8</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>          |

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| <p>11) <math>y = -\frac{3}{5}x</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>     | <p>12) <math>y = -9x + 15</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>          |
| <p>13) <math>y = -\frac{1}{2}x</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>     | <p>14) <math>y = -\frac{3}{4}x + 7</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p> |
| <p>15) <math>y = -5x + 10</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>          | <p>16) <math>y = -6x + 17</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>          |
| <p>17) <math>y = -\frac{7}{8}x + 1</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p> | <p>18) <math>y = -\frac{2}{5}x + 9</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p> |
| <p>19) <math>y = -\frac{x}{2} - 10</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p> | <p>20) <math>y = \frac{7x}{3} + 1</math></p> <p>Slope of a parallel line = _____</p> <p>Slope of a perpendicular line = _____</p>  |