Summer Assignment Review- Writing Equations of Lines

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Write the equation of the line in point-slope, slope intercept, and standard forms. (Answers shown are only point-slope.)

1) through: $(1, 4)$ and $(2, 2)$

2) through: $(0, -5)$ and $(-1, -2)$

3) through: $(3, 0)$ and $(0, 4)$

4) through: $(-5, 1)$ and $(0, -1)$

5) through: $(-4, 5)$ and $(0, -4)$

6) through: $(-5, -5)$ and $(0, 4)$

7) through: $(0, -1)$ and $(2, -4)$

8) through: $(-3, 4)$ and $(0, -2)$

9) through: $(2, -4)$ and $(5, 5)$

10) through: $(-2, 0)$ and $(1, -4)$

11) through: $(-1, 3)$ and $(3, -2)$

12) through: $(2, 2)$ and $(0, -5)$

13) through: $(2, 4)$ and $(-4, 1)$

14) through: $(-2, 5)$ and $(2, 0)$

15) through: $(0, 3)$ and $(-3, -1)$

16) through: $(-5, 4)$ and $(0, -3)$

17) through: $(3, 1)$ and $(2, 3)$

18) through: $(0, 0)$ and $(3, -4)$

19) through: $(0, -4)$ and $(4, 1)$

20) through: $(-5, 4)$ and $(2, -5)$

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Answers to Summer Assignment Review- Writing Equations of Lines

1) $y - 4 = -2(x - 1)$

2) $y + 5 = -3x$

3) $y = -\frac{4}{3}(x - 3)$

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

5) $y - 5 = -\frac{9}{4}(x + 4)$

6) $y + 5 = \frac{9}{5}(x + 5)$

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

8) $y - 4 = -2(x + 3)$

9) $y + 4 = 3(x - 2)$

10) $y = -\frac{4}{3}(x + 2)$

11) $y - 3 = -\frac{5}{4}(x + 1)$

12) $y - 2 = \frac{7}{2}(x - 2)$

13) $y - 4 = \frac{1}{2}(x - 2)$

14) $y - 5 = -\frac{5}{4}(x + 2)$

15) $y - 3 = \frac{4}{3}x$

16) $y - 4 = -\frac{7}{5}(x + 5)$

17) $y - 1 = -2(x - 3)$

18) $y = -\frac{4}{3}x$

19) $y + 4 = \frac{5}{4}x$

20) $y - 4 = -\frac{9}{7}(x + 5)$

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