Name_____

Direct Variation

Date_____ Period____

Find the constant of variation.

1) $y = 14x$

2) $y = 2x$

3) $y = 6x$

4) $y = 15x$

5) $y = \frac{8}{13}x$

6) $y = 3x$

7) $y = 13x$

8) $y = 11x$

9) $y = 4x$

10) $y = 9x$

LIVEWORKSHEETS

Solve each problem involving direct variation.

11) If y varies directly as x, and $y = \frac{5}{2}$ when $x = 15$, find y when $x = 3$.

12) If y varies directly as x, and $y = 6$ when $x = 5$, find y when $x = 10$.

13) If y varies directly as x, and $y = 14$ when $x = 3$, find y when $x = 6$.

14) If y varies directly as x, and $y = 3$ when $x = 18$, find y when $x = 9$.

15) If y varies directly as x, and $y = 15$ when $x = 9$, find y when $x = 3$.

16) If y varies directly as x, and $y = 3$ when $x = 5$, find y when $x = 15$.

17) If y varies directly as x, and $y = 15$ when $x = 3$, find y when $x = 4$.

18) If y varies directly as x, and $y = 2$ when $x = 4$, find y when $x = 20$.

19) If y varies directly as x, and $y = 3$ when $x = 7$, find y when $x = 14$.

20) If y varies directly as x, and $y = 16$ when $x = 2$, find y when $x = 4$.

LIVEWORKSHEETS