

Name _____



Date _____

Linear Equations

State whether the lines are parallel, perpendicular, or neither.

1. $y = \frac{-12}{13}x - \frac{639}{13}$ $y = \frac{13}{12}x - 1$	2. $y = \frac{-5}{18}x + \frac{95}{9}$ $5x + 18y = 190$	3. $17x + 11y = 11$ $33y = 33 - 51x$
4. $38x = 1568 + 8y$ $-16y = 336 - 6x$	5. $y = \frac{-15}{14}x - \frac{36}{7}$ $x = \frac{-11}{2} - \frac{7}{8}y$	6. $7x - 2y = 225$ $2x + 7y = -178$
7. $\frac{135}{4} - \frac{3}{8}y = x$ $x + 9y = 120$	8. $y = \frac{1}{2}x + \frac{11}{2}$ $2y - 11 = x$	9. $3x + y = 47$ $y = -x + 31$
10. $35 = 1y + \frac{1}{3}x$ $x + 3y = 105$	11. $2x = 7 + y$ $x + 2y = 21$	12. $y = \frac{-11}{15}x + \frac{166}{5}$ $\frac{198}{5} - \frac{11}{15}y = x$

Enter answers
in text boxes.