

True or false.

- 1) There can be three points that don't all fall on a plane.
- 2) There can be three points that don't all fall on a line.
- 3) There can be 4 points that don't all fall on a plane.
- 4) $|x-1| \geq x-1$ for all values of x .
- 5) $|x+1| \geq |x|$ for all values of x .
- 6) $|-x| \geq x$ for all values of x .
- 7) $|-x| \geq x+1$ for all values of x .
- 8) $|-x| \leq -x+1$ for $x < 0$.
- 9) $\frac{5-x}{x} = \frac{5}{x} - \frac{100}{100}$.
- 10) $\frac{x}{x-5} = \frac{x}{x} + \frac{x}{-5}$.
- 11) $\frac{x}{x-5} = \frac{x}{x-5} + \frac{0}{x-5}$.

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$$\underline{12)} \quad \frac{1 + \frac{1}{x}}{x+1} = \frac{x+1}{x(x+1)}$$

$$13) \quad \frac{2 - \frac{1}{x}}{\frac{1}{x}} = 2x - 1$$

$$14 \quad \frac{1}{1 + \frac{1}{x}} = \frac{x}{1+x}$$

$$15 \quad \frac{1}{1 - \frac{1}{x}} = \frac{1}{x-1}$$

$$16 \quad \frac{x}{1-x} = \frac{x}{1} + 1$$

$$17 \quad \frac{2x}{1+x} = \frac{2}{1}$$

$$\underline{18} \quad \frac{x-1}{4-(x-1)} = \frac{-1+x}{3-x}$$

$$19 \quad 5 - (-1 - x) + 2 = 8 - x$$

$$20 \quad -(1-x) - 3(x+1) = ?$$

$$\underline{21} \quad \sqrt{2000} = 20\sqrt{5}$$