WTBP05un02n3cs18: Multi-step equations, 1 unknown, Illuminated! Instructions: answer each question, showing work, neat, sequenced, precise, and explanations justified. Respond in sentences where appropriate.

1) What value of x makes this statement true? 3x = 2x + 12

Solve for *t*:
$$t - 3(4 - t) = -24$$

Solve:

³⁾
$$2(3r + 4) - 3(r + 1) = 11$$

4) What value of x makes this statement true? 3x + 4 = 9x - 8

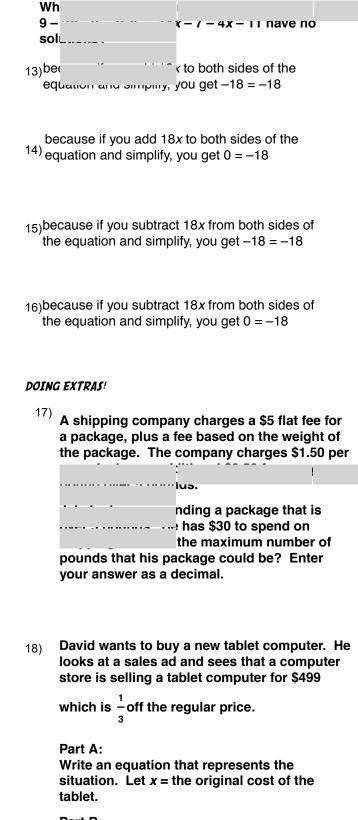
Which of these equations have infinite solutions?

5)
$$2x + x + 5x - 9 = -6 + 9x - x + 3$$

- ⁶⁾ 10x 6x 4 1 = 7 12 + 2x + 2x
- 7) 7x + 5 + 4 9x = x + 2 4 + 8x
- 8) 5x 2x 3 9 = x 12 + 3x + 3x

Which of these statements is correct?

- 9) The equation 3 x + 4 = -x + 7 has no solutions.
- 10) The equation x 2 = 15x + 8 9x has one solution.
- 11) The equation 4x + 5 + 8x = 25 + 2x has two solutions.
- The equation 9 + 3x 1 = 10 + 3x has an infinite ¹²⁾number of solutions.



Part B: Find the original cost of the tablet computer.