SPIRAL #18

name: _____

7th Grade

Solve!

① $-3(2x+1)=5$

② $\frac{2}{3}x+7=19$

③ $5x-3=-2x+8$

④ $7x-4-5x=2$

⑤ $2(3x-1)=4(5x+7)$

⑥ $-2+\frac{3}{5}x=$

simplify.

① $\dfrac{a^2 \cdot a^3}{a^5}$

② $\dfrac{b^{-3} \cdot b^7}{b^5}$

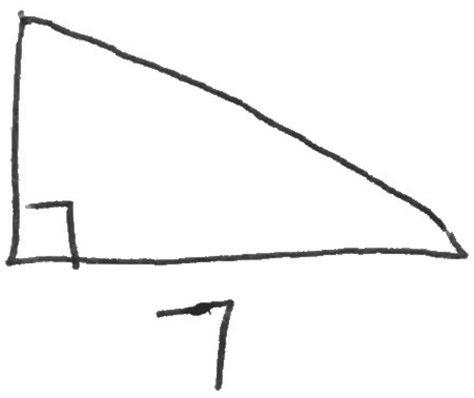
③ $\dfrac{c^{-2} \cdot c^{-4}}{c^7}$

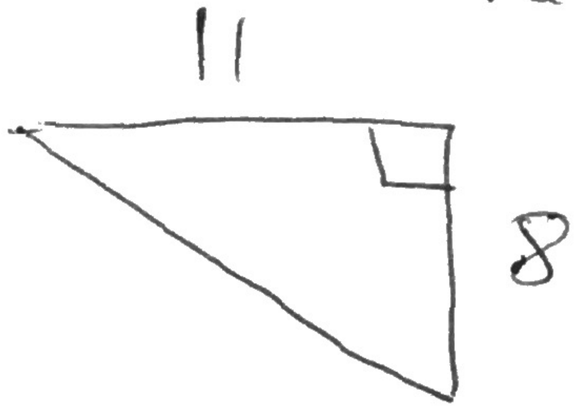
④ $\dfrac{d^{-7} \cdot d^{-1}}{d^{-4}}$

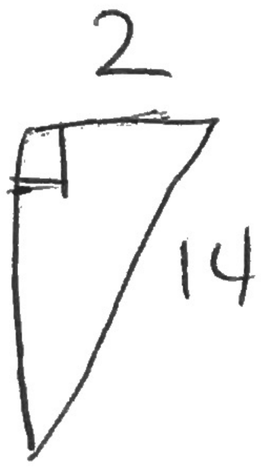
⑤ $\dfrac{(e^2)^3}{e^4}$

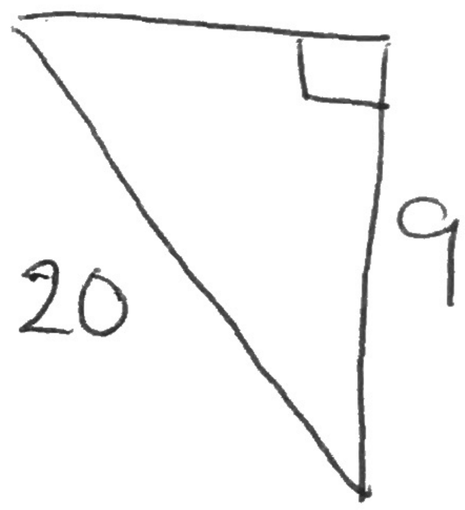
⑥ $\dfrac{f^{-3}}{(f^5)^2}$

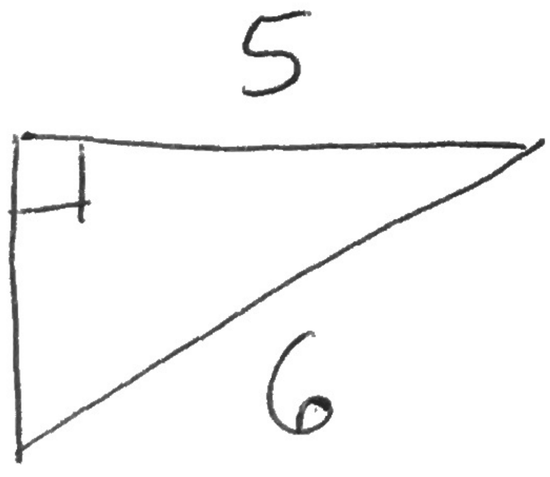
Find the missing side length. Round to tenths place if necessary.

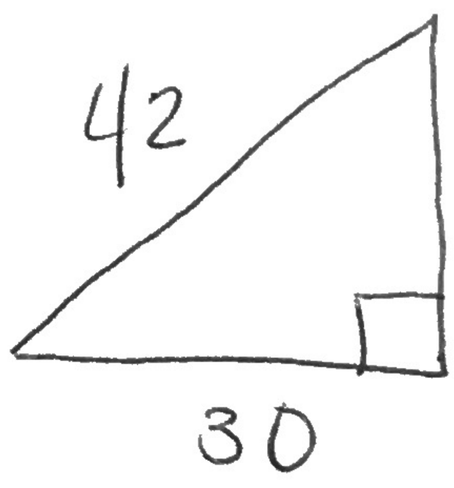
① 

② 

③ 

④ 

⑤ 

⑥ 

Write the equation of the line in $y = mx + b$ form given slope & a point.

① $m = 3$ $(2, 7)$ ② $m = -2$ $(4, 5)$

③ $m = \frac{1}{2}$ $(6, -2)$ ④ $m = -\frac{3}{4}$ $(8, -1)$