83 Which fraction equals the product

$$\left(\frac{x+5}{3x+2}\right)\left(\frac{2x-3}{x-5}\right)?$$

A $\quad \dfrac{2x-3}{3x+2}$

B $\quad \dfrac{3x+2}{4x-3}$

C $\quad \dfrac{x^2-25}{6x^2-5x-6}$

D $\quad \dfrac{2x^2+7x-15}{3x^2-13x-10}$

CSA10029

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84 $$\frac{x^2+8x+16}{x+3} \div \frac{2x+8}{x^2-9} =$$

A $\quad \dfrac{2(x+4)^2}{(x-3)(x+3)^2}$

B $\quad \dfrac{2(x+3)(x-3)}{x+4}$

C $\quad \dfrac{(x+4)(x-3)}{2}$

D $\quad \dfrac{(x+4)(x-3)^2}{2(x+3)}$

CSA20164

85 Which fraction is equivalent to $\dfrac{\frac{3x}{5}}{\frac{x}{4}+\frac{x}{2}}?$

A $\quad \dfrac{x^2}{5}$

B $\quad \dfrac{9x^2}{20}$

C $\quad \dfrac{4}{5}$

D $\quad \dfrac{9}{5}$

CSA10141

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86 A pharmacist mixed some 10%-saline solution with some 15%-saline solution to obtain 100 mL of a 12%-saline solution. How much of the 10%-saline solution did the pharmacist use in the mixture?

A   60 mL

B   45 mL

C   40 mL

D   25 mL

CSA00333

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87 Andy's average driving speed for a 4-hour trip was 45 miles per hour. During the first 3 hours he drove 40 miles per hour. What was his average speed for the last hour of his trip?

A   50 miles per hour

B   60 miles per hour

C   65 miles per hour

D   70 miles per hour

83	D
84	C
85	C
86	A
87	B