



Factor each expression completely.

1) $-\frac{24}{54}b + \frac{6}{12} =$ _____

2) $-\frac{4}{49}c - \frac{10}{21} =$ _____

3) $\frac{3}{72}d - \frac{18}{16} =$ _____

4) $-\frac{3}{10}e - \frac{3}{45} =$ _____

5) $\frac{8}{42}f + \frac{4}{21} =$ _____

6) $\frac{12}{72}g + \frac{32}{56} =$ _____

7) $\frac{8}{28}h - \frac{8}{35} =$ _____

8) $\frac{6}{32}i + \frac{4}{72} =$ _____

9) $\frac{3}{56}j - \frac{12}{32} =$ _____

10) $-\frac{15}{24}k - \frac{6}{16} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \quad -\frac{24}{54}b + \frac{6}{12} = \underline{-\frac{6}{6}(\frac{4}{9}b - \frac{1}{2})}$$

$$2) \quad -\frac{4}{49}c - \frac{10}{21} = \underline{-\frac{2}{7}(\frac{2}{7}c + \frac{5}{3})}$$

$$3) \quad \frac{3}{72}d - \frac{18}{16} = \underline{\frac{3}{8}(\frac{1}{9}d - \frac{6}{2})}$$

$$4) \quad -\frac{3}{10}e - \frac{3}{45} = \underline{-\frac{3}{5}(\frac{1}{2}e + \frac{1}{9})}$$

$$5) \quad \frac{8}{42}f + \frac{4}{21} = \underline{\frac{4}{21}(\frac{2}{2}f + \frac{1}{1})}$$

$$6) \quad \frac{12}{72}g + \frac{32}{56} = \underline{\frac{4}{8}(\frac{3}{9}g + \frac{8}{7})}$$

$$7) \quad \frac{8}{28}h - \frac{8}{35} = \underline{\frac{8}{7}(\frac{1}{4}h - \frac{1}{5})}$$

$$8) \quad \frac{6}{32}i + \frac{4}{72} = \underline{\frac{2}{8}(\frac{3}{4}i + \frac{2}{9})}$$

$$9) \quad \frac{3}{56}j - \frac{12}{32} = \underline{\frac{3}{8}(\frac{1}{7}j - \frac{4}{4})}$$

$$10) \quad -\frac{15}{24}k - \frac{6}{16} = \underline{-\frac{3}{8}(\frac{5}{3}k + \frac{2}{2})}$$

Answers

1. $\underline{-\frac{6}{6}(\frac{4}{9}b - \frac{1}{2})}$

2. $\underline{-\frac{2}{7}(\frac{2}{7}c + \frac{5}{3})}$

3. $\underline{\frac{3}{8}(\frac{1}{9}d - \frac{6}{2})}$

4. $\underline{-\frac{3}{5}(\frac{1}{2}e + \frac{1}{9})}$

5. $\underline{\frac{4}{21}(\frac{2}{2}f + \frac{1}{1})}$

6. $\underline{\frac{4}{8}(\frac{3}{9}g + \frac{8}{7})}$

7. $\underline{\frac{8}{7}(\frac{1}{4}h - \frac{1}{5})}$

8. $\underline{\frac{2}{8}(\frac{3}{4}i + \frac{2}{9})}$

9. $\underline{\frac{3}{8}(\frac{1}{7}j - \frac{4}{4})}$

10. $\underline{-\frac{3}{8}(\frac{5}{3}k + \frac{2}{2})}$