



Factor each expression completely.

1) $\frac{8}{54}b - \frac{12}{18} =$ _____

2) $-\frac{12}{72}c - \frac{12}{48} =$ _____

3) $-\frac{10}{36}d - \frac{8}{30} =$ _____

4) $-\frac{3}{42}e - \frac{12}{48} =$ _____

5) $\frac{2}{15}f + \frac{2}{30} =$ _____

6) $\frac{4}{30}g + \frac{12}{30} =$ _____

7) $\frac{6}{15}h - \frac{3}{15} =$ _____

8) $\frac{6}{24}i - \frac{2}{36} =$ _____

9) $-\frac{12}{56}j + \frac{18}{21} =$ _____

10) $-\frac{3}{48}k + \frac{21}{18} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \frac{8}{54}b - \frac{12}{18} = \underline{\frac{4}{18}(\frac{2}{3}b - \frac{3}{1})}$$

$$2) -\frac{12}{72}c - \frac{12}{48} = \underline{-\frac{12}{24}(\frac{1}{3}c + \frac{1}{2})}$$

$$3) -\frac{10}{36}d - \frac{8}{30} = \underline{-\frac{2}{6}(\frac{5}{6}d + \frac{4}{5})}$$

$$4) -\frac{3}{42}e - \frac{12}{48} = \underline{-\frac{3}{6}(\frac{1}{7}e + \frac{4}{8})}$$

$$5) \frac{2}{15}f + \frac{2}{30} = \underline{\frac{2}{15}(\frac{1}{1}f + \frac{1}{2})}$$

$$6) \frac{4}{30}g + \frac{12}{30} = \underline{\frac{4}{30}(\frac{1}{1}g + \frac{3}{1})}$$

$$7) \frac{6}{15}h - \frac{3}{15} = \underline{\frac{3}{15}(\frac{2}{1}h - \frac{1}{1})}$$

$$8) \frac{6}{24}i - \frac{2}{36} = \underline{\frac{2}{12}(\frac{3}{2}i - \frac{1}{3})}$$

$$9) -\frac{12}{56}j + \frac{18}{21} = \underline{-\frac{6}{7}(\frac{2}{8}j - \frac{3}{3})}$$

$$10) -\frac{3}{48}k + \frac{21}{18} = \underline{-\frac{3}{6}(\frac{1}{8}k - \frac{7}{3})}$$

Answers

1. $\underline{\frac{4}{18}(\frac{2}{3}b - \frac{3}{1})}$

2. $\underline{-\frac{12}{24}(\frac{1}{3}c + \frac{1}{2})}$

3. $\underline{-\frac{2}{6}(\frac{5}{6}d + \frac{4}{5})}$

4. $\underline{-\frac{3}{6}(\frac{1}{7}e + \frac{4}{8})}$

5. $\underline{\frac{2}{15}(\frac{1}{1}f + \frac{1}{2})}$

6. $\underline{\frac{4}{30}(\frac{1}{1}g + \frac{3}{1})}$

7. $\underline{\frac{3}{15}(\frac{2}{1}h - \frac{1}{1})}$

8. $\underline{\frac{2}{12}(\frac{3}{2}i - \frac{1}{3})}$

9. $\underline{-\frac{6}{7}(\frac{2}{8}j - \frac{3}{3})}$

10. $\underline{-\frac{3}{6}(\frac{1}{8}k - \frac{7}{3})}$