



Factor each expression completely.

1) $-\frac{3}{18}b + \frac{3}{72} =$ _____

2) $\frac{3}{10}c - \frac{3}{35} =$ _____

3) $\frac{3}{63}d - \frac{9}{21} =$ _____

4) $-\frac{4}{14}e - \frac{4}{21} =$ _____

5) $-\frac{12}{25}f + \frac{6}{20} =$ _____

6) $-\frac{3}{12}g + \frac{3}{18} =$ _____

7) $-\frac{8}{24}h - \frac{4}{24} =$ _____

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

9) $-\frac{4}{32}j - \frac{4}{16} =$ _____

10) $-\frac{2}{18}k + \frac{2}{63} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \quad -\frac{3}{18}b + \frac{3}{72} = \underline{-\frac{3}{18}(\frac{1}{1}b - \frac{1}{4})}$$

$$2) \quad \frac{3}{10}c - \frac{3}{35} = \underline{\frac{3}{5}(\frac{1}{2}c - \frac{1}{7})}$$

$$3) \quad \frac{3}{63}d - \frac{9}{21} = \underline{\frac{3}{21}(\frac{1}{3}d - \frac{3}{1})}$$

$$4) \quad -\frac{4}{14}e - \frac{4}{21} = \underline{-\frac{4}{7}(\frac{1}{2}e + \frac{1}{3})}$$

$$5) \quad -\frac{12}{25}f + \frac{6}{20} = \underline{-\frac{6}{5}(\frac{2}{5}f - \frac{1}{4})}$$

$$6) \quad -\frac{3}{12}g + \frac{3}{18} = \underline{-\frac{3}{6}(\frac{1}{2}g - \frac{1}{3})}$$

$$7) \quad -\frac{8}{24}h - \frac{4}{24} = \underline{-\frac{4}{24}(\frac{2}{1}h + \frac{1}{1})}$$

$$8) \quad \frac{2}{8}i - \frac{2}{36} = \underline{\frac{2}{4}(\frac{1}{2}i - \frac{1}{9})}$$

$$9) \quad -\frac{4}{32}j - \frac{4}{16} = \underline{-\frac{4}{16}(\frac{1}{2}j + \frac{1}{1})}$$

$$10) \quad -\frac{2}{18}k + \frac{2}{63} = \underline{-\frac{2}{9}(\frac{1}{2}k - \frac{1}{7})}$$

Answers

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

2. $\underline{\frac{3}{5}(\frac{1}{2}c - \frac{1}{7})}$

3. $\underline{\frac{3}{21}(\frac{1}{3}d - \frac{3}{1})}$

4. $\underline{-\frac{4}{7}(\frac{1}{2}e + \frac{1}{3})}$

5. $\underline{-\frac{6}{5}(\frac{2}{5}f - \frac{1}{4})}$

6. $\underline{-\frac{3}{6}(\frac{1}{2}g - \frac{1}{3})}$

7. $\underline{-\frac{4}{24}(\frac{2}{1}h + \frac{1}{1})}$

8. $\underline{\frac{2}{4}(\frac{1}{2}i - \frac{1}{9})}$

9. $\underline{-\frac{4}{16}(\frac{1}{2}j + \frac{1}{1})}$

10. $\underline{-\frac{2}{9}(\frac{1}{2}k - \frac{1}{7})}$