



Factor each expression completely.

1) $-\frac{2}{24}b - \frac{4}{72} =$ _____

2) $-\frac{6}{54}c - \frac{14}{42} =$ _____

3) $\frac{2}{18}d - \frac{2}{54} =$ _____

4) $-\frac{3}{14}e + \frac{3}{21} =$ _____

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

6) $-\frac{9}{35}g + \frac{6}{28} =$ _____

7) $-\frac{3}{20}h + \frac{3}{24} =$ _____

8) $-\frac{24}{49}i + \frac{16}{63} =$ _____

9) $\frac{16}{45}j - \frac{8}{72} =$ _____

10) $\frac{9}{30}k + \frac{9}{42} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) \quad -\frac{2}{24}b - \frac{4}{72} = \underline{-\frac{2}{24}(\frac{1}{1}b + \frac{2}{3})}$$

$$2) \quad -\frac{6}{54}c - \frac{14}{42} = \underline{-\frac{2}{6}(\frac{3}{9}c + \frac{7}{7})}$$

$$3) \quad \frac{2}{18}d - \frac{2}{54} = \underline{\frac{2}{18}(\frac{1}{1}d - \frac{1}{3})}$$

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

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

$$6) \quad -\frac{9}{35}g + \frac{6}{28} = \underline{-\frac{3}{7}(\frac{3}{5}g - \frac{2}{4})}$$

$$7) \quad -\frac{3}{20}h + \frac{3}{24} = \underline{-\frac{3}{4}(\frac{1}{5}h - \frac{1}{6})}$$

$$8) \quad -\frac{24}{49}i + \frac{16}{63} = \underline{-\frac{8}{7}(\frac{3}{7}i - \frac{2}{9})}$$

$$9) \quad \frac{16}{45}j - \frac{8}{72} = \underline{\frac{8}{9}(\frac{2}{5}j - \frac{1}{8})}$$

$$10) \quad \frac{9}{30}k + \frac{9}{42} = \underline{\frac{9}{6}(\frac{1}{5}k + \frac{1}{7})}$$

Answers

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

2. $\underline{-\frac{2}{6}(\frac{3}{9}c + \frac{7}{7})}$

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

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

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

6. $\underline{-\frac{3}{7}(\frac{3}{5}g - \frac{2}{4})}$

7. $\underline{-\frac{3}{4}(\frac{1}{5}h - \frac{1}{6})}$

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

9. $\underline{\frac{8}{9}(\frac{2}{5}j - \frac{1}{8})}$

10. $\underline{\frac{9}{6}(\frac{1}{5}k + \frac{1}{7})}$