



Factor each expression completely.

1) $-\frac{12}{63}b + \frac{8}{63} =$ _____

2) $\frac{8}{45}c - \frac{12}{30} =$ _____

3) $\frac{6}{42}d + \frac{6}{49} =$ _____

4) $\frac{10}{42}e - \frac{8}{48} =$ _____

5) $\frac{3}{8}f + \frac{3}{24} =$ _____

6) $-\frac{12}{56}g + \frac{4}{56} =$ _____

7) $-\frac{6}{20}h + \frac{2}{8} =$ _____

8) $-\frac{8}{30}i + \frac{12}{42} =$ _____

9) $\frac{2}{10}j + \frac{2}{10} =$ _____

10) $\frac{9}{28}k + \frac{6}{35} =$ _____

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Factor each expression completely.

$$1) -\frac{12}{63}b + \frac{8}{63} = \underline{-\frac{4}{63}(\frac{3}{1}b - \frac{2}{1})}$$

$$2) \frac{8}{45}c - \frac{12}{30} = \underline{\frac{4}{15}(\frac{2}{3}c - \frac{3}{2})}$$

$$3) \frac{6}{42}d + \frac{6}{49} = \underline{\frac{6}{7}(\frac{1}{6}d + \frac{1}{7})}$$

$$4) \frac{10}{42}e - \frac{8}{48} = \underline{\frac{2}{6}(\frac{5}{7}e - \frac{4}{8})}$$

$$5) \frac{3}{8}f + \frac{3}{24} = \underline{\frac{3}{8}(\frac{1}{1}f + \frac{1}{3})}$$

$$6) -\frac{12}{56}g + \frac{4}{56} = \underline{-\frac{4}{56}(\frac{3}{1}g - \frac{1}{1})}$$

$$7) -\frac{6}{20}h + \frac{2}{8} = \underline{-\frac{2}{4}(\frac{3}{5}h - \frac{1}{2})}$$

$$8) -\frac{8}{30}i + \frac{12}{42} = \underline{-\frac{4}{6}(\frac{2}{5}i - \frac{3}{7})}$$

$$9) \frac{2}{10}j + \frac{2}{10} = \underline{\frac{2}{10}(\frac{1}{1}j + \frac{1}{1})}$$

$$10) \frac{9}{28}k + \frac{6}{35} = \underline{\frac{3}{7}(\frac{3}{4}k + \frac{2}{5})}$$

Answers

1. $\underline{-\frac{4}{63}(\frac{3}{1}b - \frac{2}{1})}$

2. $\underline{\frac{4}{15}(\frac{2}{3}c - \frac{3}{2})}$

3. $\underline{\frac{6}{7}(\frac{1}{6}d + \frac{1}{7})}$

4. $\underline{\frac{2}{6}(\frac{5}{7}e - \frac{4}{8})}$

5. $\underline{\frac{3}{8}(\frac{1}{1}f + \frac{1}{3})}$

6. $\underline{-\frac{4}{56}(\frac{3}{1}g - \frac{1}{1})}$

7. $\underline{-\frac{2}{4}(\frac{3}{5}h - \frac{1}{2})}$

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

9. $\underline{\frac{2}{10}(\frac{1}{1}j + \frac{1}{1})}$

10. $\underline{\frac{3}{7}(\frac{3}{4}k + \frac{2}{5})}$