



Factor each expression completely.

Answers

1) $-\frac{15}{36}b + \frac{24}{8} =$ _____

1. _____

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

2. _____

3) $-\frac{9}{72}d - \frac{9}{27} =$ _____

3. _____

4) $\frac{24}{72}e + \frac{16}{40} =$ _____

4. _____

5) $-\frac{8}{45}f - \frac{12}{63} =$ _____

5. _____

6) $\frac{6}{28}g - \frac{3}{8} =$ _____

6. _____

7) $-\frac{9}{28}h + \frac{12}{8} =$ _____

7. _____

8) $\frac{6}{54}i - \frac{14}{42} =$ _____

8. _____

9) $-\frac{3}{12}j + \frac{3}{24} =$ _____

9. _____

10) $-\frac{12}{24}k - \frac{8}{12} =$ _____

10. _____



Factor each expression completely.

$$1) -\frac{15}{36}b + \frac{24}{8} = \underline{-\frac{3}{4}\left(\frac{5}{9}b - \frac{8}{2}\right)}$$

$$2) -\frac{2}{63}c + \frac{10}{18} = \underline{-\frac{2}{9}\left(\frac{1}{7}c - \frac{5}{2}\right)}$$

$$3) -\frac{9}{72}d - \frac{9}{27} = \underline{-\frac{9}{9}\left(\frac{1}{8}d + \frac{1}{3}\right)}$$

$$4) \frac{24}{72}e + \frac{16}{40} = \underline{\frac{8}{8}\left(\frac{3}{9}e + \frac{2}{5}\right)}$$

$$5) -\frac{8}{45}f - \frac{12}{63} = \underline{-\frac{4}{9}\left(\frac{2}{5}f + \frac{3}{7}\right)}$$

$$6) \frac{6}{28}g - \frac{3}{8} = \underline{\frac{3}{4}\left(\frac{2}{7}g - \frac{1}{2}\right)}$$

$$7) -\frac{9}{28}h + \frac{12}{8} = \underline{-\frac{3}{4}\left(\frac{3}{7}h - \frac{4}{2}\right)}$$

$$8) \frac{6}{54}i - \frac{14}{42} = \underline{\frac{2}{6}\left(\frac{3}{9}i - \frac{7}{7}\right)}$$

$$9) -\frac{3}{12}j + \frac{3}{24} = \underline{-\frac{3}{12}\left(\frac{1}{1}j - \frac{1}{2}\right)}$$

$$10) -\frac{12}{24}k - \frac{8}{12} = \underline{-\frac{4}{12}\left(\frac{3}{2}k + \frac{2}{1}\right)}$$

Answers

$$1. \underline{-\frac{3}{4}\left(\frac{5}{9}b - \frac{8}{2}\right)}$$

$$2. \underline{-\frac{2}{9}\left(\frac{1}{7}c - \frac{5}{2}\right)}$$

$$3. \underline{-\frac{9}{9}\left(\frac{1}{8}d + \frac{1}{3}\right)}$$

$$4. \underline{\frac{8}{8}\left(\frac{3}{9}e + \frac{2}{5}\right)}$$

$$5. \underline{-\frac{4}{9}\left(\frac{2}{5}f + \frac{3}{7}\right)}$$

$$6. \underline{\frac{3}{4}\left(\frac{2}{7}g - \frac{1}{2}\right)}$$

$$7. \underline{-\frac{3}{4}\left(\frac{3}{7}h - \frac{4}{2}\right)}$$

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

$$9. \underline{-\frac{3}{12}\left(\frac{1}{1}j - \frac{1}{2}\right)}$$

$$10. \underline{-\frac{4}{12}\left(\frac{3}{2}k + \frac{2}{1}\right)}$$