



Factor each expression completely.

Answers

1) $\frac{12}{81}b - \frac{4}{72} =$ _____

1. _____

2) $-\frac{8}{42}c + \frac{12}{14} =$ _____

2. _____

3) $-\frac{10}{48}d + \frac{10}{24} =$ _____

3. _____

4) $-\frac{9}{64}e + \frac{18}{24} =$ _____

4. _____

5) $-\frac{18}{54}f - \frac{9}{30} =$ _____

5. _____

6) $-\frac{6}{24}g - \frac{15}{28} =$ _____

6. _____

7) $-\frac{2}{9}h - \frac{2}{12} =$ _____

7. _____

8) $-\frac{3}{18}i - \frac{3}{24} =$ _____

8. _____

9) $-\frac{8}{28}j + \frac{8}{35} =$ _____

9. _____

10) $-\frac{4}{14}k + \frac{4}{35} =$ _____

10. _____



Factor each expression completely.

$$1) \frac{12}{81}b - \frac{4}{72} = \underline{\frac{4}{9}\left(\frac{3}{9}b - \frac{1}{8}\right)}$$

$$2) -\frac{8}{42}c + \frac{12}{14} = \underline{-\frac{4}{14}\left(\frac{2}{3}c - \frac{3}{1}\right)}$$

$$3) -\frac{10}{48}d + \frac{10}{24} = \underline{-\frac{10}{24}\left(\frac{1}{2}d - \frac{1}{1}\right)}$$

$$4) -\frac{9}{64}e + \frac{18}{24} = \underline{-\frac{9}{8}\left(\frac{1}{8}e - \frac{2}{3}\right)}$$

$$5) -\frac{18}{54}f - \frac{9}{30} = \underline{-\frac{9}{6}\left(\frac{2}{9}f + \frac{1}{5}\right)}$$

$$6) -\frac{6}{24}g - \frac{15}{28} = \underline{-\frac{3}{4}\left(\frac{2}{6}g + \frac{5}{7}\right)}$$

$$7) -\frac{2}{9}h - \frac{2}{12} = \underline{-\frac{2}{3}\left(\frac{1}{3}h + \frac{1}{4}\right)}$$

$$8) -\frac{3}{18}i - \frac{3}{24} = \underline{-\frac{3}{6}\left(\frac{1}{3}i + \frac{1}{4}\right)}$$

$$9) -\frac{8}{28}j + \frac{8}{35} = \underline{-\frac{8}{7}\left(\frac{1}{4}j - \frac{1}{5}\right)}$$

$$10) -\frac{4}{14}k + \frac{4}{35} = \underline{-\frac{4}{7}\left(\frac{1}{2}k - \frac{1}{5}\right)}$$

Answers

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

$$2. \underline{-\frac{4}{14}\left(\frac{2}{3}c - \frac{3}{1}\right)}$$

$$3. \underline{-\frac{10}{24}\left(\frac{1}{2}d - \frac{1}{1}\right)}$$

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

$$5. \underline{-\frac{9}{6}\left(\frac{2}{9}f + \frac{1}{5}\right)}$$

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

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

$$8. \underline{-\frac{3}{6}\left(\frac{1}{3}i + \frac{1}{4}\right)}$$

$$9. \underline{-\frac{8}{7}\left(\frac{1}{4}j - \frac{1}{5}\right)}$$

$$10. \underline{-\frac{4}{7}\left(\frac{1}{2}k - \frac{1}{5}\right)}$$