

Name \_\_\_\_\_  
Date \_\_\_\_\_

Introduction to Technical Mathematics  
Class #09-B-2

---

---

***Factoring - An Introduction***

---

---

Quality - Accuracy - Transfer - 100%

**Section 1. Perfect Squares - Whole Numbers.**

121 \_\_\_\_\_

225 \_\_\_\_\_

169 \_\_\_\_\_

400 \_\_\_\_\_

625 \_\_\_\_\_

**Section 2. Perfect Squares - Decimal Numbers.**

1.44 \_\_\_\_\_

0.0081 \_\_\_\_\_

.36 \_\_\_\_\_

0.0004 \_\_\_\_\_

.0324 \_\_\_\_\_

**Section 3. Perfect Squares - Fractional Numbers.**

$\frac{25}{81}$  \_\_\_\_\_

$\frac{121}{225}$  \_\_\_\_\_

$\frac{49}{400}$  \_\_\_\_\_

$\frac{9}{16}$  \_\_\_\_\_

$\frac{441}{625}$  \_\_\_\_\_

**Section 2. Perfect Squares – Variable - Monomial Numbers.**

$a^2b^6$  \_\_\_\_\_

$x^2y^4$  \_\_\_\_\_

$a^{12}b^{20}c^4$  \_\_\_\_\_

$c^2d^{16}$  \_\_\_\_\_

$x^{10}y^{20}$  \_\_\_\_\_

$144s^4t^{10}$  \_\_\_\_\_

$\frac{100}{121}x^6y^8$  \_\_\_\_\_

$2.25x^2y^2$  \_\_\_\_\_

$\frac{4}{9}x^8y^{12}$  \_\_\_\_\_

$.0004c^8d^{12}$  \_\_\_\_\_